# DAY-O-LITE

## Skylite Series | SKLL 2x4

| Date | Notes |
|---|---|
| Project | |
| Type Qty | |

## Features

Aluminum trim regresses lens 2" into housing.

LED optimized optics for smooth, efficient illumination.

Programmable driver for custom lumen packages.

0-10V dimming to 1% standard or Dim-to-Off.

DMX, Lutron and DALI protocols also available.

Sensor Ready for wireless Smart Lighting Solutions.

80/90CRI, Tunable White, RGBW & RGBWW.

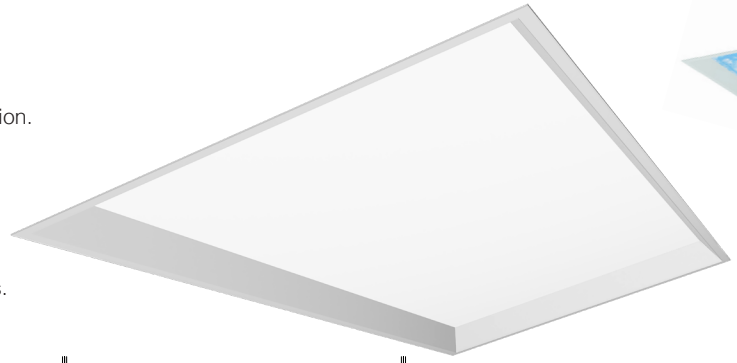
Bios SkyBlue™ circadian solutions available.

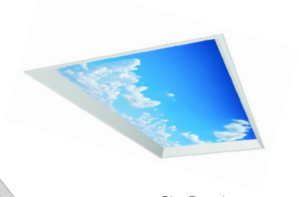
Compatible with Armstrong® ceiling systems.

Decorative Sky Panel lenses available.

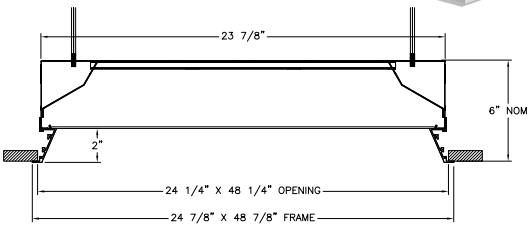
**Declare** Red List Approved.

**Chicago Plenum** Approved.[6]





Sky Panels
page 4.



## Ordering Guide

Declare. BAA

| MODEL | OPTICS | CCT[1] | LUMENS[2] | SIZE | MOUNTING[3] | FINISH | OPTIONS |
|---|---|---|---|---|---|---|---|
| **SKLL1-D** | **SI** | | | **24** | | | |
| SKLL1-D<br>Direct | **STANDARD**<br>SI =Satin Ice Acrylic Lens<br><br>**SKY PANELS**<br>See page 4 for options and ordering code. | **STATIC WHITE**<br>27 = 2700K 80CRI<br>30 = 3000K 80CRI<br>35 = 3500K 80CRI<br>40 = 4000K 80CRI<br>50 = 5000K 80CRI<br><br>**BIOS SkyBlue**<br>Circadian (page 2)<br><br>**TUNABLE 2**-Channel<br>2700K-6500K<br>Fixed CCT Range<br>2DIM10 = for 0-10V<br>2DMX = for DMX<br>2ESN = for Philips<br>2CAS = for Casambi<br>2LUT = for Lutron<br><br>**TUNABLE 3**-Channel<br>1800K-6500K 92 CRI<br>Selectable CCT Range<br>3DIM10 = for 0-10V<br><br>**DIM-TO-WARM**<br>DTW = Dim-to-Warm (2700K-6500K) 0-10V<br>3DTW = Dim-to-Warm (1800K-6500K) 0-10V<br><br>**RGB+WHITE**<br>RGB = RGB<br>RGBW = RGBW<br>RGBWW = RGBWW<br>(Specify "W" CCT) | LO = 7662 (59W, 130LPW)<br><br>SO = 10,204 (81W, 126LPW)<br><br>HO = 12,695 (104W, 122LPW)<br><br>**CUSTOM**<br>For custom lumens specify value < HO. | 24 = 2x4 | G = Grid 15/16" T-Bar<br><br>SG = Slot Grid<br><br>MG = Mini Grid 9/16" T-Bar<br><br>XG = Interlude<br><br>S = Surface<br><br>F = Flange | W = White<br><br>CC = Custom Color<br><br>AMW = Anti-Microbial White | **DIMMING DRIVERS**<br>DIM10 = 0-10V (1%) Standard<br>DTO = 0-10V (Dim-to-Off)<br>DIMST = 0-10V Step Dimming<br>DIMSR = DALI Sensor Ready (5.0%)<br>DALI = DALI (5.0%)<br>DMX = DMX<br><br>**LUTRON™ DIMMING DRIVERS**<br>LDE1 = Hi-Lume 1% EcoSystem<br>LD2 = Digital 1% (DALI-2)<br>L3DA3W = Hi-Lume 1% 3-Wire<br><br>**SENSORS & CONTROLS**[4]<br>AVO = Avi-On Sensor<br>AVN = Avi-On Node<br>AWNS = Lutron Athena Sensor<br>ESN = EasySense Sensor<br>CAS = Casambi Wireless Control<br><br>**EMERGENCY**[5]<br>EMC = Emergency Circuit<br>GTD = Generator Transfer Device<br>EPC4 = 4W Emergency Battery<br>EPC6 = 6.5W Emergency Battery<br>EPC10 = 10W Emergency Battery<br>EPC12 = 12W Emergency Battery<br><br>**WIRING**<br>FWH = Flexible Wiring Harness<br><br>**OTHER**<br>TRH = Tamper Resistant Hardware<br><br>**CHICAGO PLENUM**[6]<br>CP = Chicago Plenum housing |

[1]All LED, BIOS, Tunable White, DTW, and RGB/W options and Ordering Codes page 2.

[2]Lumens at 80CRI, 4000K, SI lens. Photometry page 3.

[3]See page 5 for all mounting options.

[4]All Sensor & Control options page 2.

[5]EPC6 is standard unless otherwise specified. EPC not for DMX drivers.

[6]Order must specify option **CP** (Chicago Plenum) for approved housing.

**BAA** letter of compliance available at www.dayolite.com.

## LED, BIOS, Sensor & Control Ordering Codes

### LED

**Static White**
30 = 3000K 80 CRI
35 = 3500K 80 CRI
40 = 4000K 80 CRI
50 = 5000K 80 CRI

927 = 2700K 90 CRI
930 = 3000K 90 CRI
935 = 3500K 90 CRI
940 = 4000K 90 CRI

**Tunable[1] 2-Channel**
2700K-6500K 80 CRI
Fixed CCT Range

2DIM10 = 0-10V
2DMX = DMX 80
2CAS = Casambi Wireless
2ESN = Philips EasySense
2LUT = Lutron (LD2)

92DIM10 = 0-10V 90 CRI
92DMX = DMX 90 CRI
92CAS = Casambi Wireless 90 CRI
92ESN = Philips EasySense 90 CRI
92LUT = Lutron (LD2) 90 CRI

**Tunable[1] 3-Channel**
1800K-6500K 92 CRI
Selectable range CCT (factory set)

3DIM10 = 0-10V Dimming

**Dim-to-Warm[2]**
DTW = 6500K-2700K 80 CRI
9DTW = 6500K-2700K 90 CRI

3DTW = 6500K-1800K 92 CRI
Selectable range CCT (factory set).
To specify write in the desired range; eg. 65/18 = 6500K-1800K, or 57/22 = 5700K-2200K.

**RGB/W[3]**
RGB = RGB only
RGB27 = RGB w/2700K
RGB30 = RGB w/3000K
RGB35 = RGB W/3500K
RGB40 = RGB w/4000K
RGB50 = RGB w/5000K
RGBWW = RGB w/2700K-6500K
ADV = Advanced Color 125mm increment RGB or RGBW pixel control

**Single Color**
RED = Red
BLU = Blue
GRN = Green
AMB = Amber

### BIOS SkyBlue

BIOS SkyBlue biological technology brings the benefits of blue skies inside. BIOS SkyBlue is the only spectrally optimized circadian solution to target the region that drives wellness benefits including: increased alertness, enhanced productivity, better mood, and better sleep. More information may be found at www.bioslighting.com or by contacting Day-O-Lite directly. All options for 0-10V control.

**BIOS Biological Static**
For daytime applications. BIOS Static Biological LED features key BIOS SkyBlue (490nm) for maximum daytime circadian impact.

B30 = 3000K
B35 = 3500K
B40 = 4000K

**BIOS Biological Dynamic White**
Designed to transition from daytime to evening in a dim-to-warm protocol. The daytime CCT includes full BIOS SkyBlue (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlue for minimal circadian stimulus after hours.

B30D = 3000K-2700K
B35D = 3500K-3000K
B40D = 4000K-3500K

**BIOS Biological Tunable White**
Designed to transition from daytime to evening in a tunable white protocol. The daytime CCT includes full BIOS SkyBlue (490nm) for maximum daytime circadian impact, while the evening spectrum removes BIOS SkyBlue for minimal circadian stimulus after hours.

B30T = 3000K-2700K
B35T = 3500K-2700K
B40T = 4000K-2700K

### Sensors & Controls

**Sensors**

AVO = Avi-On Occ/Day
AVM = Avi-On Occ (Microwave)
AVN = Avi-On Node
BNV = BubblyNet Occ/Day
LEG = Legrand Occ/Day
ANW = Lutron Athena Occ/Day
VIVE = Lutron Vive Occ/Day
NLT = Acuity nLight Occ/Day
NXC = Current NX Occ/Day
ESN = Philips EasySense Occ/Day
WVL = Cooper WaveLinx Occ/Day

Sensors and control options to be commissioned wirelessly in the field by qualified controls personnel with applicable apps (by others).

**Wireless Control**

CAS = Casambi

**Other Options**

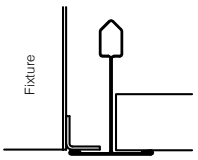
Other sensor and wireless control options are available. Contact factory for details.

[1]Tunable white may be controlled by a number of dimming protocols as shown. 2-Channel has a fixed range of 2700K-6500K. 3-Channel has a maximum range of 1800K-6500K, but other sub-ranges may be specified. 3-Channel Tunable White has a third diode to more closely approximate the black body curve in the mid CCT ranges. Contact Day-O-Lite for details.

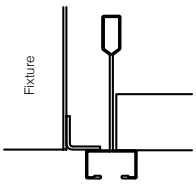
[2]Dim-to-Warm mimics incandescent dimming by warming the CCT from 6500K-2700K (2DTW) or 6500K-1800K (3DTW) as light levels are dimmed.

[3]All RGB, RGBW, RGBWW and ADV options for **DMX** control (by others). 80 CRI standard. All fixtures with **DMX** drivers include **DMX** cabling prewired to the driver/s, terminated with an RJ45 mail adapter ease of installation.

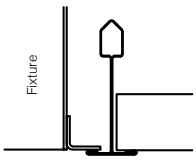
## Mounting Options



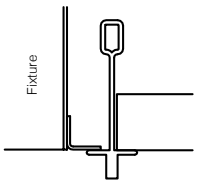

**G**
15/16" T-Bar




**SG**
Slot Grid



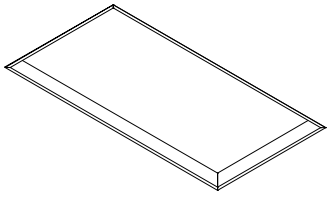

**MG**
9/16" T-Bar



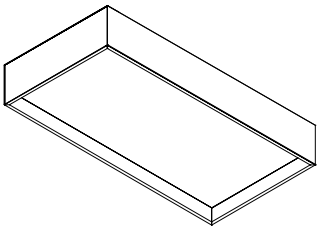

**XG**
Interlude

## Additional Mounting Options

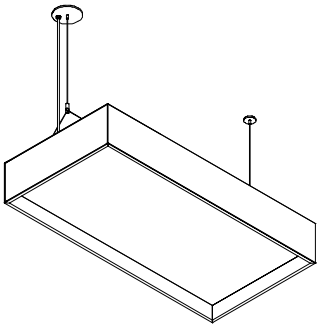
In addition to recessed mounting in grid ceilings Harmony may also be installed in plaster and sheetrock ceilings, surface mounted to ceilings, or suspended. Surface and suspended options are supplied with a finished exterior housing.



**F**
Flanged Housing
(plaster ceilings)



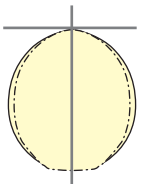
**S**
Surface Ceiling mount
w/finished housing



**ACY**
Suspended Aircraft
Cable (1/16" dia., 48"L)

**FK24** Flange Kit for grid to plaster ceiling conversion

## Photometry



SKLL-D-SI-40-**LO**-24
CCT: 4000K
WATTS: 59
LUMENS: 7662
LPW: 130

SKLL-D-SI-40-**SO**-24
CCT: 4000K
WATTS: 81
LUMENS: 10,204
LPW: 126

SKLL-D-SI-40-**HO**-24
CCT: 4000K
WATTS: 104
LUMENS: 12,695
LPW: 122

4000K @ 80CRI, SI lens.
Use the following multipliers for other CCTs: 2700K x 0.94, 3000K x 0.96, 3500K x 0.98, 5000K x 1.02. IES files @ www.dayolite.com

## Specifications

**CONSTRUCTION:** 20 gauge CRS Steel housing w/extruded aluminum trim.

**REFLECTOR:** 20 gauge CRS finished in highly reflective baked white enamel with pre-finished reflective LED tray.

**OPTICS:** LED optimized Satin Ice acrylic lay-in lenses.

**LED:** Static white LED modules in 27/30/35/40 & 50K CCT, 80/90CRI. Lumen maintenance minimum $L_{70}$= 50,000 hours. 3 SDCM color consistency. BIOS SkyBlue, RGB, RGBW, RGBWW. Tunable White and Dim-to-Warm options available.

**DRIVER:** Standard driver is Class 2 AOC 0-10V to 1%, Dim-to-Off available. 120/277V input, PF > 90%, THD < 20 @ 120V. Additional dimming protocols available. All drivers prewired from factory for connection to control system (by others). Field replaceable.

**MOUNTING:** Standard installation is in an exposed inverted T-bar ceiling. Fixtures are supplied with four support brackets for additional support to T-bar. May also be installed in a plaster ceiling (F/TRL mounting option with Flange).

**FINISH:** Housing and components finished in baked white enamel.

**CERTIFICATION:** cETLus listed conforming to UL STD. 1598 and certified to CSA STD C22.2 NO. 250.0. Suitable for dry & damp locations. Union Made in the United States of America, BAA compliant, Declare Red List Approved, Chicago Plenum Approved.

**LEGAL:** Day-O-Lite, a division of SCW Corporation. All rights reserved. The Day-O-Lite logo is a registered trademark of SCW Corporation. Actual product performance may differ due to end user environment, application and installation. Luminaires have been tested at 25° C ambient temperature. Consult Day-O-Lite for high-ambient conditions. Day-O-Lite reserves the right to change specifications without notice for product improvement. DMX systems, sensors and control options to be commissioned by qualified personnel.

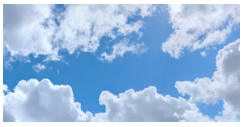
## Sky Panel Optics

Use desired ordering codes below. Sizes shown are 2x4. Panels for 1x2, 2x2 and 1x4 are cut from the same lens and may differ. Consult factory for additional options and information. Photometric performance will vary by lens and cut, and will be lower than published on page one of this specification sheet. For best performance, blue sky and white clouds 5000K CCT is recommended.

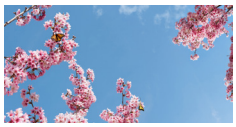
**SB** = Santa Barbara Sky

**AZ** = Arizona Sky

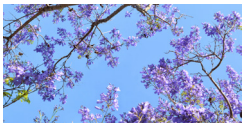
**CA** = California Sky



**LG** = Laguna Sky



**CB** = Cherry Blossoms



**PS =** Purple Splash

**ST** = Sun & Trees

**BF** = Balloon Fest